

Title (en)

METHOD FOR PRODUCING A SANDWICH PANEL WITH A REINFORCED SPECIAL PLASTIC FOAM CORE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES SANDWICH-PANEELS MIT EINEM VERSTÄRKTEN SCHAUMSTOFFKERN

Title (fr)

PROCEDE DE PRODUCTION D'UN PANNEAU SANDWICH COMPRENANT DES NOYAUX EN MOUSSE RENFORCEE

Publication

**EP 3263321 B1 20210728 (DE)**

Application

**EP 16176980 A 20160629**

Priority

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Abstract (en)

[origin: US2018001593A1] A method for producing a sandwich panel with a reinforced foam core includes inserting rod-shaped, thermoplastic reinforcing elements into a thermoplastic foam material such that the reinforcing elements extend through the foam material. End regions of the reinforcing elements project out of the foam material. The foam material is thermoformed to form a reinforced foam core, wherein the end regions of the reinforcing elements are integrally formed by applying temperature and pressure to the cover surfaces of the foam material and are bonded to the foam material in a fused connection. A thermoplastic cover layer is laminated on either side by applying temperature and pressure to the reinforced foam core on the cover surfaces of the foam material in order to form the sandwich panel, wherein the cover layers are bonded to the reinforced foam core in a fused connection.

IPC 8 full level

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CPC (source: EP US)

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Cited by

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